



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/614,415	07/07/2003	Ho-Won Jung	678-1198	7470
66547 7590 12/19/2008 THE FARRELL LAW FIRM, P.C. 333 EARLE OVINGTON BOULEVARD SUITE 701 UNIONDALE, NY 11553				
EXAMINER				
HUYNH, CHUCK				
ART UNIT		PAPER NUMBER		
2617				
MAIL DATE		DELIVERY MODE		
12/19/2008		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/614,415

Applicant(s)

JUNG ET AL.

Examiner

CHUCK HUYNH

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 November 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-946)
- 3) ☐ Information Disclosure Statement(s) (PTO/SE/US)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 11/10/2008 has been entered.

Response to Arguments

Applicant's arguments with respect to claim 1-18 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. **Claims 1-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tuli (US 2004/0139208) in view of Brisebois et al. (US 6219679).**

Regarding claims 1 and 8, Tuli discloses a mobile terminal (PDA- Abstract), comprising:

a display unit (well known in a PDA)

a memory for storing previous display information of a web page previously visited by a user (internal cache memory: Abstract); and

a controller for automatically storing previous display information of a currently displayed web page in memory when a display screen displayed on the display unit is changed by a web page turning operation (storing previously viewed web pages: [0077]), detecting the previous display information of the web page from the memory when revisit request for the web page previously visited occurs during visiting and scanning a new web page (when user clicks on back button on a current page: [0077]) and displaying a last viewed display area of the web page previously visited by utilizing the previous display information (displaying the previously view parts of the web page Page 11, [0077-0078]).

Tuli discloses all the particulars of the claim, but is unclear wherein the previous display information of the web page includes a start position of a last viewed display area of the web page at a time of a previous visit to the web page.

However, Briseboise does disclose that the previously viewed web page's position is bookmarked and saved and is display when revisited (Col 1, lines 54-66; Col 2, lines 37-44; Col 5, lines 49-53; Col 6, lines 23-34; Col 4, lines 8-39; Specifically, Col 4, line 62 – Col 5, line 13).

It would have been obvious to one ordinarily skilled in the art at the time of invention to incorporate Briseboise's disclosure to alleviate from repetitive scrolling each time revisiting a web page (Col 1, lines 45-49).

Regarding claim 2, Tuli discloses the mobile terminal as set forth in claim 1, wherein the previous display information further includes:

a uniform resource locator (URL) of the web page (Page 11, [0077]);
display-information collection time information (Page 2, [0012]); and
position information of a display area, to be displayed on a display unit (Page 1, [0004]).

Regarding claim 3, Tuli discloses the mobile terminal as set forth in claim 2, wherein the previous display information further includes form-input information contained in the web page (Page 10, [0071-0072]; Page 11, [0077-0078]).

Regarding claim 4, Tuli discloses the mobile terminal as set forth in claim 2, wherein the controller detects the previous display information of the web page from the memory compares a current time with the display-information collection time of the detected previous display information, and displays the web page utilizing the previous display information only if the current time has not exceeded a preset valid time after the

display-information collection time (Page 2, [0012]; Page 10, [0070]; Page 12, [0081]; Page 13, [0082-0083]).

Regarding claim 5, Tuli disclose the mobile terminal as set forth in claim 1, wherein the controller collects display information of the currently displayed web page if a web-page turning command is input, and stores the collected display information in the memory (Page 11, [0077]).

Regarding claim 6, Tuli does disclose the mobile terminal as set forth in claim 1, wherein the controller collects display information of the currently displayed web page if an Internet termination command is input, and stores the collected display information in the memory (Page 11, [0077]).

Regarding claim 7, Tuli discloses the mobile terminal as set forth in claim 1, wherein the controller periodically checks display-information collection time information previously stored in the memory and deletes corresponding display information when a current time has exceeded a preset valid time (Page 2, [0012])

Regarding claim 17, Tuli does disclose the mobile terminal as set forth in claim 1, wherein the controller further determines whether the previous display information is applicable, (Examiner interprets the determining applicability to be determining whether the correct previous display page) (Page 11, [0077]).

Regarding claim 9, Tuli disclose the method as set forth in claim 8, wherein step (a) further comprises the step of:

collecting display information of the currently displayed web page in response to a web-page turning command for the displayed web page and storing the collected display information in the internal memory of the mobile terminal (Page 11, [0077]).

Regarding claim 10, Tuli discloses the method as set forth in claim 9, wherein the display information includes:

a uniform resource locator (URL) of the web page (Page 11, [0077]);
display-information collection time information (Page 2, [0012]); and
position information of a display area, to be displayed on a display unit (Page 1, [0004]).

Regarding claim 11, Tuli discloses the method as set forth in claim 10, wherein the display information further includes form-input information contained in the web page (which the examiner interpreted the claim as claiming the display information to contain inputted information on the web page) (Page 10, [0071-0072]; Page 11, [0077-0078]).

Regarding claim 12, Tuli disclose he method as set forth in claim 8, wherein step (a) further comprises the step of:

collecting display information of the currently displayed web page in response to a wireless Internet termination command, and storing the collected display information in the internal memory of the mobile terminal (Page 11, [0077]).

Regarding claim 13, Tuli discloses the method as set forth in claim 12, wherein the display information includes:

a uniform resource locator (UR1,) of the web page (Page 11, [0077]);
display-information collection time information (Page 2, [0012]); and
position information of a display area, to be displayed on a display unit (Page 1, [0004]).

Regarding claim 14, Tuli discloses the method as set forth in claim 13, wherein the display information further includes form-input information contained in the web page (Page 10, [0071-0072]; Page 11, [0077-0078]).

Regarding claim 15, Tuli discloses the method as set forth in claim 8, wherein step (b) further comprises the steps of:

b-1) comparing a current time with a display information collection time of the detected display information (Page 2, [0012]); and

b-2) displaying the loaded web page utilizing the display information only if the current time has not exceeded a preset valid time after the display information collection time (Page 10, [0070]; Page 12, [0081]; Page 13, [0082-0083]).

Regarding claim 16, Tuli discloses the method as set forth in claim 8, further comprising the step of:

(c) periodically checking display-information collection time information previously stored in the internal memory of the mobile terminal and deleting corresponding display information when a current time has exceeded a preset valid time (Page 2, [0012]; Page 10, [0070]; Page 12, [0081]; Page 13, [0082-0083]).

Regarding claim 18, Tuli discloses the method as set forth in claim 8, further comprising the step of determining whether the previous display information is applicable, and wherein the step of displaying the loaded web page utilizing previous display information (the saved information from previous visit) (Page 11, [0077]) when the web page is re-visited, is based upon the determination of whether the previous display information is applicable (applicability is interpreted to be if the web page was accessed before and displaying the saved information from last visit (Page 11, [0077-0078])

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHUCK HUYNH whose telephone number is (571)272-7866. The examiner can normally be reached on M-F 8am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alexander Eisen can be reached on 571-272-7687. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Chuck Huynh

/Alexander Eisen/
Supervisory Patent Examiner, Art Unit 2617